

BOROUGH



OF LEIGH.

ANNUAL REPORT

of the

Medical Officer of Health

for the Year ended December 31st, 1903.

BOROUGH



OF LEIGH.

HEALTH COMMITTEE.

Chairman.

COUNCILLOR JOHN WOOD, J.P., C.C.

Vice-Chairman.

COUNCILLOR HENRY ISHERWOOD.

Committee.

HIS WORSHIP THE MAYOR (ALDERMAN HENRY COWBURN, J.P.)

ALDERMAN JOSEPH CORNER.

„ WILLIAM J. SMITH.

COUNCILLOR ROBERT CRANK.

„ WILLIAM GORE.

„ WILLIAM HARRISON, J.P.

„ ELLIS HOWARTH.

„ THOMAS R. LONSDALE.

„ HENRY MORRIS.

„ JOHN STOUT.

„ HENRY WILKINSON.

Town Hall, Leigh,

22nd February, 1904.

To the Chairman and Members of the
Health Committee.

Gentlemen,

I beg to submit to you my annual report on the health and sanitary condition of the Borough, for the year ended December 31st, 1903.

During the year 769 deaths (males 398, females 371) were registered in the Borough, giving a death-rate of 18·3 as against 14·7 per 1000 for the preceding year.

In addition to the above, 61 deaths of persons belonging to the Borough occurred outside the District, viz. :—34 at the Union Workhouse, 11 at the Sanatorium, 9 Wigan Infirmary, 4 Manchester, 1 Salford and 1 at Blackpool.

These deaths are included in Tables I. and IV. accompanying this report, and give a total number of 830 deaths and a corrected rate of 19·7 per 1000 as against 16·1 for the preceding year. The average rate for the past 10 years being, 19·3 per 1000.

The lowest deathrate (16·9) occurred in St. Thomas's and the highest (23·7) in Etherstone Ward. In the preceding year the lowest (12·06) occurred in St. Paul's and the highest (21·47) in St. Joseph's Ward.

The deathrate from the seven principal zymotic diseases, was equal to 4·5 as against 1·56 per 1000 for the preceding year. The high rate is due to the Epidemic of Measles.

Thirty deaths were of children prematurely born.

Eleven deaths were uncertified, and during the year 48 inquests were held.

The number of births registered was 1428 (males 712, females 716) the rate being equal to 34·0 as against 34·6 per 1000 in the preceding year.

The excess of births over deaths for the year being 608. Thirty-three births were illegitimate.

Of the 1428 children born during the year 273 died, being at the rate of 190 per 1000 births as against 130 for the preceding year.

The average birthrate for the past 10 years being 36·2 per 1000, and the average rate per 1000 births being 184·08.

The following table gives the population, together with the number of deaths and rate per 1000—including the deaths of persons belonging to the Borough who have died outside the District—in the respective Wards for the year:—

WARDS.	Population 42000.	Deaths.	Rate per 1000.
St. Mary's	10703	204	19·06
St. Paul's	5384	110	20·4
St. Peter's	4272	96	22·4
Lilford	5046	89	17·6
Etherstone	4303	102	23·7
Hope Carr	2501	43	17·1
St. Thomas's...	5126	87	16·9
St. Joseph's ...	4666	99	21·2

The following table gives the mortality at all ages in each Ward:—

WARD.	At all ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.
St. Mary's	204	73	49	6	9	45	22
St. Paul's	110	34	30	7	4	25	10
St. Peter's	96	34	35	6	5	12	4
Lilford	89	31	20	2	3	21	12
Etherstone	102	25	22	6	5	33	11
Hope Carr	43	11	7	2	7	9	7
St. Thomas's...	87	29	17	4	2	26	9
St. Joseph's ...	99	36	19	6	2	24	12
Total.....	830	273	199	39	37	195	87

Of the 830 deaths 472, or 56·8 per cent., were of children under 5 years of age.

The following is the percentage of deaths of children under this age, for each Ward:—St. Mary's 56·8, St. Paul's 58·1, St. Peter's 71·6, Lilford 57·3, Etherstone 46·07, Hope Carr 41·8, St. Thomas's 52·8 and St. Joseph's 56·5. The highest percentage being in St. Peter's and the lowest in Hope Ward.



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SMALL-POX.

During the year 5 cases were notified as against 3 for the preceding year.

I stated in my last annual report that—"Members of the vagrant class constitute the greatest source of danger in conveying the infection of Small-pox," and this disease was again introduced into the Borough by a tramp. On receipt of each notification the patient was at once removed to the Small-pox Hospital and every precaution taken to prevent the spread of the infection.

CASE I.—A tramp, came from Liverpool on January 3rd, and was notified as suffering from Small-pox on January 6th. He died in hospital on January 15th. All the contacts were re-vaccinated, and all escaped infection.

CASE II.—A travelling musician, came from Wigan on February 11th and was notified on February 18th. Fortunately, however, he had been confined to his lodgings since the day following his arrival. Nine other occupants were forthwith vaccinated, kept in quarantine a fortnight, and all escaped infection.

CASE III. had been in contact with Case II., and lodged in the same house. She eluded re-vaccination on February 18th, and this was not discovered until February 25th, when she was re-vaccinated, but too late to otherwise than modify the attack. She was notified as suffering from Small-pox on March 2nd.

CASE IV. was notified on March 11th. The other occupants—four in number—were re-vaccinated and escaped infection. The source of infection could not be traced.

CASE 5 was notified on March 14th. The source of infection in this case could not be traced. Of the other occupants in this house—four in number—three were re-vaccinated and one declined. All escaped infection.

I would again express the opinion that vaccination of infants, and re-vaccination in adult life, is the most efficient method of stamping out this disease.

MEASLES.

This highly infectious disease, was Epidemic throughout the year, and was the cause of 107 deaths, 101 of these being of children under 5 years of age. During the previous year, Measles was the cause of 6 deaths.

The following report was submitted to your Health Committee at a meeting held September 22nd, 1903 :—

“ Town Hall, Leigh,

September 5th, 1903.

To the Chairman and Members of the Health Committee.

Gentlemen,

In accordance with the requirements of the Local Government Board, I beg to submit to your Committee a special report on the recent Epidemic of Measles.

This disease became prevalent in Etherstone and Hope Carr Wards during the early part of the year, and rapidly assumed an epidemic form. The disease continued to spread throughout March and April, the following Wards being chiefly affected, viz. :—St. Peter's, St. Paul's, St. Mary's and Lilford Wards, and reached its maximum in April when 19 deaths were registered.

St. Thomas's and St. Joseph's Wards, so far, having escaped the epidemic.

I may say that Whooping Cough was concurrently epidemic, and that, in many cases, the *primary* cause of death, was registered as due to Whooping Cough and secondary to Measles. I have, for the purposes of this report, included these in the total deaths from Measles.

The first death from Measles this year was registered on February 8th, and the last on July 12th, the total number from this cause being 63.

The following table gives the age periods and mortality during each month :—

	Age 2 and under.	Over 2 and under 5.	Over 5.	Total.			
February	5	...	4	...	2	...	11
March	14	...	4	...	0	..	18
April	14	...	4	...	1	..	19
May	12	...	0	...	0	...	12
June	2	...	0	..	0	...	2
July	0	..	1	...	0	...	1
	47	...	13	...	3	...	63

As Measles is not a notifiable disease, the number of infected cases cannot be given.

The chief centre of infection in the early stages of the epidemic was Christ Church day school, and on this account your Committee authorised me, on February 17th, to close the infant department for a period of three weeks. Owing to the continued spread of the disease, your Committee also authorised me to close the Infant department of the following schools for a period of three weeks from dates given :—Leigh Wesleyan and British, February 27th ; Baptist, March 7th ; St. Peter's, March 12th ; St. Paul's and Westleigh Wesleyan, April 8th ; Plank Lane British, April 14th ; and Plank Lane Catholic on April 29th.

In addition to school closure, house-to-house visitation and the distribution of handbills containing advice, with precautionary measures, etc., to be taken, were systematically carried out.

Children from infected houses were not allowed to attend day schools, and parents and guardians were also advised not to send children to Sunday school. Measles is a highly infectious disease in the early catarrhal stage before the rash appears. Children commonly attend school during this stage, and it is at this time that large numbers become infected, before the disease is fully recognised. When recognised, there is little or no attempt made to isolate the patients, and hence these convey the infection to healthy children remaining at home.

Indiscriminate visiting and wilful exposure to the infection, is common, and due to the erroneous idea that all children must have Measles. It is difficult for the public to recognise the fact, that Measles is a specific fever, quite as much so as scarlet and other fevers and that it gives rise to a much greater mortality than any other fever.

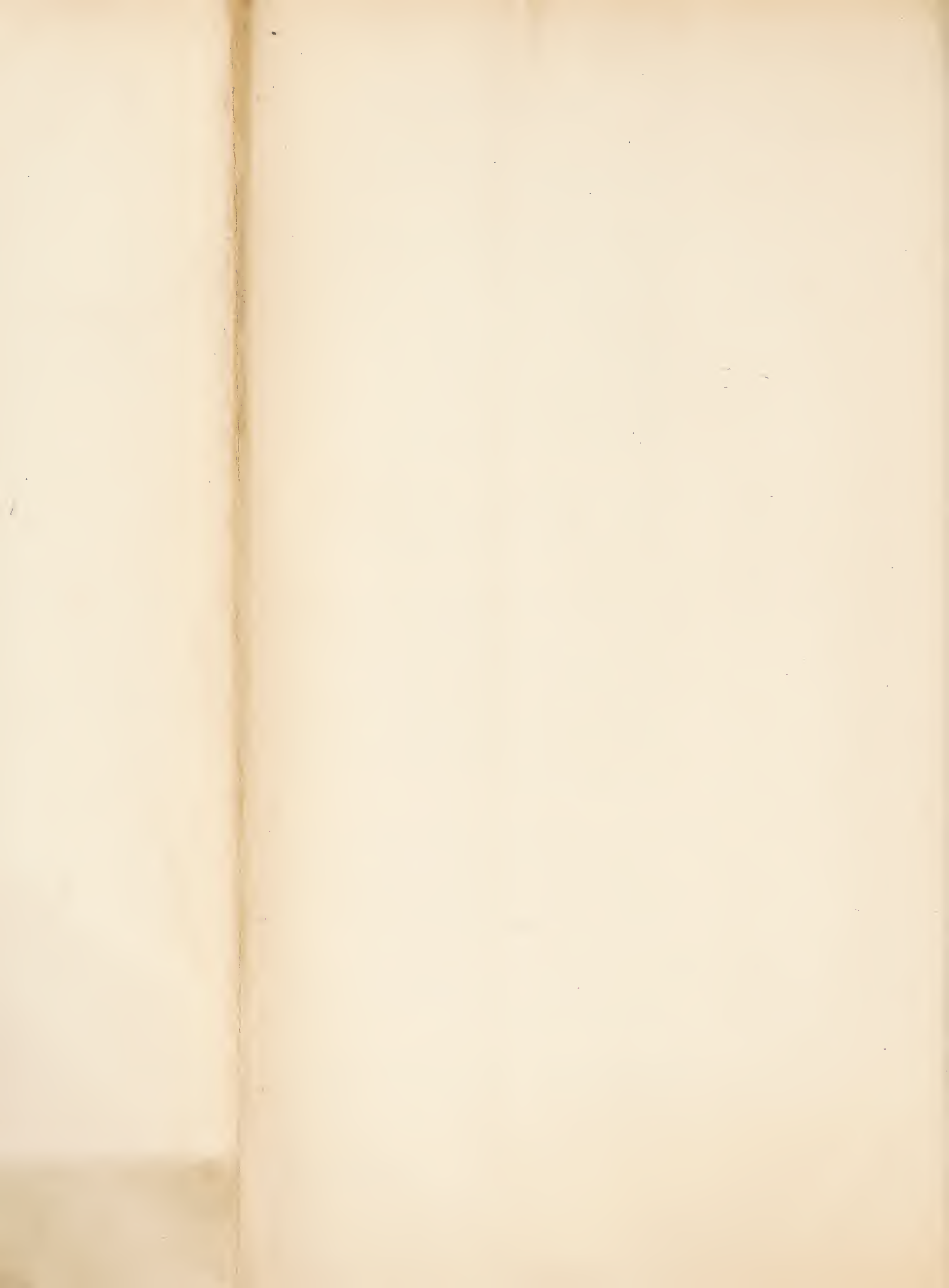
Experience teaches us that the greatest mortality from this disease, occurs amongst young children, and the longer it is deferred, the less fatal it becomes.

From the table given above, it will be seen that of the 63 deaths 47 were of children under the age of 2 years.

I am, Gentlemen,

Your obedient Servant,

JAMES KING."



During July and August there was a lull, and the Epidemic to a large extent subsided. In September there were 2 deaths from Measles, and, owing to an outbreak at St. Thomas's Butts School, I advised the closure of the Infant department for a period of 3 weeks.

During November, the Infant department of St. Thomas's and the Parish Schools, were also closed on account of the Epidemic.

The following table gives the number of deaths in each Ward :—

St. Mary's.	St. Paul's.	St. Peter's.	Lilford.	Etherstone.	Hope Carr.	St. Thomas's.	St. Joseph's.
25	19	16	10	16	7	7	7

The deathrate from Measles for the year, was equal to 2·5 per 1000, or 12·8 per cent. of the total number of deaths.

SCARLET FEVER.

During the year 414 cases were notified, as against 198 for the preceding year.

One hundred and ninety cases, were removed to the Sanatorium, with 5 deaths, and the remainder were treated at home, with 12 deaths.

The deathrate from this cause was equal to 0·4 per 1000, the rate per cent. of deaths to cases being 4·1.

The disease was prevalent throughout the year, and assumed an Epidemic form during the last quarter, when 62 cases were notified in November, and 94 in December. The disease, on the whole, was of a mild type, and on this account many cases were unrecognised by parents, and not suspected as being cases of Fever, until their attention was drawn to the fact, that the skin was peeling. Owing to the continued spread of this disease, your Committee authorised me to close St. Peter's Schools, on December 2nd, and Plank Lane British, on December 8th, until after the Christmas holidays.

Owing to the want of accommodation at the Sanatorium, and its closure for a short period, on account of an outbreak of Measles, a large number of cases—224—had to be treated at home, and, in numerous instances, with little or no accommodation for isolating the patients.

The following table gives the number of cases and deaths for each Ward :—

WARD.	Cases Notified.	Deaths at home.	Removed to Sanatorium.	Deaths at Sanatorium.
St. Mary's	64	2	35	...
St. Paul's	69	1	33	1
St. Peter's	101	4	27	1
Lilford	42	...	24	...
Etherstone	96	5	45	1
Hope Carr	5	..	3	...
St. Thomas's...	12	...	6	...
St. Joseph's ...	25	...	17	2
Totals.....	414	12	190	5

DIPHTHERIA AND MEMBRANEOUS CROUP

gave rise to 9 cases being notified as against 13 for the previous year. Four cases ended fatally, 3 belonging to St. Mary's and 1 to Etherstone Ward.

Anti-Diphtheria serum is now provided at the expense of your Authority, for the benefit of the very poor suffering from Diphtheria, and is supplied free of cost, to the Medical Practitioners in attendance on them.

WHOOPING COUGH

was very prevalent throughout the year, and gave rise to 33 deaths, 32 of these being of children under 5 years of age.

TYPHOID FEVER.

During the year, 46 cases were notified, with 12 deaths, or at the rate of 0·28 per 1000 of the population, the case mortality being 26·0 per cent.

During the preceding year, 49 cases were notified, with 13 deaths, or, at the rate of 0·3 per 1000 and a case mortality 26·5 per cent.

Of the 46 cases, 3 were in the age period 1 to 5, 11 in that of 5 to 15, 20 in that of 15 to 25, and 12 between 25 and 65 years.

Of the 12 deaths, 2 were between 1 and 5, 2 between 5 and 15, 4 between 15 and 25, and 4 between 25 and 65 years.

Two cases contracted the disease outside the District, and 1, from nursing her husband.

Three houses had water-closets, 6 waste-water-closets and 30 the ordinary privy midden.

Other insanitary conditions noted were—Defective drains 8, unpaved yards and filthy houses 3.

The conversion of midden privies into water-closets has been provided for under the new Corporation Act, and it is satisfactory to note that 142 privies have been converted into water-closets, during the year.

The Typhoid cases and deaths, were distributed as follows :—

WARD.	Cases.	Removed to Sanatorium.	Deaths at Home.	Deaths at Sanatorium.
St. Mary's	8	5	...	1
St. Paul's	6	6	...	3
St. Peter's	11	4	3	1
Lilford	3	1	2	...
Etherstone	3	1	1	...
Hope Carr	8	5	...	...
St. Thomas's ..	2	2	...	...
St. Joseph's ...	5	2	...	1
Totals	46	26	6	6

DISEASES OF THE RESPIRATORY ORGANS—

Bronchitis, Pneumonia and Pleurisy—gave rise to 190 deaths, equal to a rate of 4·7 per 1000.

During the preceding year 162 deaths were due to these causes, with a rate, equal to 4·0 per 1000.

The following table, gives the deaths at various age periods :—

All Ages.	Under 1.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.
190	71	48	11	6	33	21

PHTHISIS OR CONSUMPTION

was the cause of 40 deaths, with a rate of 0·95 per 1000, as against 47 deaths and a rate of 1·14 for the preceding year.

There were 22 deaths from “ Other Tubercular Diseases,” and, including these, the rate is equal to 1·4 per 1000, being the same as for the preceding year.

The voluntary notification of Phthisis is still in force, and 11 cases were notified, as against 15 for the previous year.

The deaths from Phthisis occurred in the following Wards :—St. Mary's 16, St. Paul's 2, St. Peter's 3, Lilford 7, Etherstone 1, Hope Carr 3, St. Thomas's 3 and St. Josephs 5.

DIARRHŒA

was the cause of 30 deaths, as against 29, for the preceding year. The rate per 1000—0·7—being the same as for the previous year. The deathrate from this cause during the last 2 years has been satisfactory, and compares very favourably with that of previous years.

Of the 30 deaths, 27 were under the age of 1 year.

EPIDEMIC INFLUENZA

was the cause of 4 deaths, as against 1, for the preceding year.

Other causes of death were :—Alcoholism and Cirrhosis of the Liver 6, Heart Disease 41, Accidents 33 and Suicides 5.

All other causes, 204.

During the year 29 samples were submitted to Dr. Campbell Brown, the County Analyst, viz. :—Milk 17, butter 4, lard 5 and pepper 3.

Two samples of milk were found to be deficient in cream, and each case was prosecuted. One was dismissed, and in the other case, a penalty of 10s. and costs, was imposed.

SCAVENGING.

The removal of nightsoil is still carried on by Contract, and the refuse disposed of to farmers or tipped on the Sewage Farm. The method and time of removal, still gives rise to serious nuisance, but, with the general adoption of the water-carriage system, the nuisance arising therefrom will be considerably modified.

The scavenging in the main streets is fairly satisfactory.

I would suggest the more frequent clearing out of the gullies in private streets.

THE DAIRIES, COWSHEDS AND MILKSHOPS

have been periodically inspected, and, in several instances, notices have been served to remedy insanitary conditions.

THE LODGING-HOUSES—

on account of the Small-pox scare—have been under the daily supervision of your Sanitary Officials, and, on the whole, are conducted in a satisfactory manner.

THE WATER SUPPLY

during the year has been good in quality, but the quantity supplied has been somewhat inadequate for the growing needs of the Borough. This defect will be remedied during the present year, as additional water mains are now being laid.

FACTORY AND WORKSHOPS ACT, 1901.

All the workshops have been inspected during the year, and, where required, notices to limewash and cleanse the premises were served. Three notices were served to provide additional sanitary conveniences. Two workshops were insufficiently ventilated, and 1, insanitary and damp.

THE BAKE-HOUSES

have been periodically inspected, and, on the whole, found to be kept in a satisfactory condition. Prior to January 1st, 1904, there were 4 underground bake-houses in the Borough. Of these, 1 only, has been certified as suitable for the purpose and fulfilling the requirements of the above act.

I have much pleasure in testifying to the continued good work carried on by the Leigh Health Society. By means of their Health Visitor leaflets on “ Infant Feeding,” “ Household Management,” “ Consumption,” etc., are constantly being distributed, and the effects cannot be otherwise than beneficial, to those amongst whom her work lies. In numerous instances, her services have been of great value to your Sanitary Officials.

During the year 5 houses were condemned as unfit for habitation, and 13, were closed. Two hundred and thirteen new houses were certified for habitation.

I am indebted to Mr. Jackson, your Sanitary Inspector, for the following summary of nuisances and insanitary conditions dealt with, during the year :—

Nuisances reported to Committee	770
,, abated	610
Notices and letters served on owners and occupiers ..	1628
,, served on Contractors	108
Number of ashpits emptied..	52476
Canal boats inspected	119
Numbers of seizures of diseased beef	40
Weight of beef destroyed	lbs. 11745
,, fish ,,	750
,, tinned food destroyed	40
Houses disinfected after Scarlet Fever.....	245
,, ,, Typhoid Fever	36
,, ,, Diphtheria	3
,, ,, Consumption	8
,, ,, Small-pox	5
,, ,, Croup	2
,, ,, filth	1
Schools disinfected after Measles	10
,, ,, Scarlet Fever	2
,, ,, Small-pox	1

The following insanitary conditions have been dealt with :—

Defective house drains.....	259
,, gullies	105
,, sink-pipes.....	195
,, water-closets	282
,, privies	114
,, ,, pulled down	58
Water-closets substituted for privies.....	142
Deep wet ashpits raised and cemented	121
Defective spouting	155
,, roofs	140
,, pavements, channelling and insanitary yards	315

Houses repaired	123
Filthy houses	51
Damp houses	98
Insufficiently-ventilated houses .. .	60
Aspits repaired	74
Workshops insufficiently ventilated .. .	2
,, insanitary and damp .. .	1
Houses condemned as unfit for habitation .. .	5
Number of houses closed .. .	13

I append Tables I., II., III. and IV. required by the Local Government Board.

I am, Gentlemen,

Your obedient Servant,

JAMES KING,

Medical Officer of Health.

TABLE I.

VITAL STATISTICS OF THE WHOLE DISTRICT DURING 1903 AND PREVIOUS YEARS.
Name of District : Leigh Urban.

Year.	Population estimated to middle of each Year.	Births.		Total Deaths Registered in the District				Total Deaths in Public Institutions in the District.	Deaths of Non- residents registered in Public Institu- tions in the District.	Deaths of Residents Registered in Public Institutions beyond the District.	Nett Deaths at all Ages belonging to the District.				
		Number.	Rate. \$	Under 1 Year of Age.		At All Ages.					Number.	Rate. \$			
				Number.	Rate per 1000 Births registered.	Number.	Rate. \$								
1	2	3	4	5	6	7	8	9	10	11	12	13			
1893	31000	1253	40.4	275	219	696	22.4	None.	None.	29	950	27.3			
1894	31500	1175	37.61	144	122.5	487	15.46				774	21.1			
1895	34700	1352	38.9	308	227	921	25.5				721	20.08			
1896	35250	1300	36.9	232	178	702	19.9				691	18.6			
1897	36000	1282	35.61	251	195	690	19.16				791	20.7			
1898	37000	1288	34.8	257	199	646	17.4				894	22.9			
1899	38050	1269	33.3	251	197	744	19.5				698	17.45			
1890	39000	1417	36.3	295	208	861	22.07				661	16.1			
1901	40001	1344	33.6	222	165	649	16.25								
1902	41000	1421	34.6	189	130.3	604	14.73								
Averages for years 1893-1902.	36350.1	1310.1	36.2	242.4	184.08	704.9	19.23			41.6	772.5	20.52			
1903	42000	1428	34.0	268	187	769	18.3			61	830	19.7			

§ Rates in columns 4, 8 and 13 calculated per 1000 of estimated population.

NOTE.—The deaths to be included in Column 7 of this Table are the whole of those registered during the year as having actually occurred within the district or division. The deaths to be included in Column 12 are the number in column 7, corrected by the subtraction of the number in Column 10 and the addition of the number in Column 11.

By the term "Non-residents" is meant persons brought into the district on account of sickness or infirmity and dying in Public Institutions there ; and by the term "Residents" is meant persons who have been taken out of the district on account of sickness or infirmity, and have died in Public Institutions elsewhere.

The Public Institutions to be taken into account for the purpose of these Tables are those into which persons are habitually received on account of sickness or infirmity, such as Hospitals, Workhouses and Lunatic Asylums. A list of the Institutions in respect of the deaths in which corrections have been made should be given on the Back of this Table.

Area of District in acres (exclusive of area covered by water 6347

Total population at all ages 40001
Number of inhabited houses 7832
Average number of persons per house..... 5.1

At Census of 1901.

[SEE OVER

1 Institutions within the District receiving Sick and Infirm Persons from outside the District.	2 Institutions outside the District receiving Sick and Infirm Persons from the District.	3 Other Institutions, the Deaths in which have been distributed among the several localities in the District.
	<p>Union Workhouse, 35 deaths</p> <p>Manchester Royal Infirmary, 2 deaths</p> <p>St. Mary's Hospital, Manchester, 2 deaths</p> <p>Salford Infirmary, 1 death</p> <p>Wigan Infirmary, 9 deaths</p> <p>Sanatorium, Astley, 11 deaths</p>	<p>Blackpool, 1 death</p>
Is the Union Workhouse within the District?—No.		

TABLE II.
VITAL STATISTICS OF SEPARATE LOCALITIES IN 1903 AND PREVIOUS YEARS.
Name of District : Leigh Urban.

NAMES OF LOCALITIES.	1 LEIGH.				2 ST. MARY'S.				3 ST. PAUL'S.				4 ST. PETER'S.				5 LILFORD.				6 ETHERSTONE.				7 HOPE CARR.				8 ST. THOMAS'S.				9 ST. JOSEPH'S.																								
	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.																									
	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.																									
1893	31000	1253	696	275	Not returnable for Wards.				Not returnable for Wards.				Not returnable for Wards.				Not returnable for Wards.				Not returnable for Wards.				Not returnable for Wards.				Not returnable for Wards.																												
1894	31500	1175	487	144																																																					
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1898	37000	1288	646	257																																																					
1899	38050	1269	744	251																																																					
1900	39000	1417	861	295																														200	74	127	42	88	39	108	32	72	25	45	14	112	28	109	41								
1901	40001	1344	698	222																														9994	179	71	5254	90	27	4112	50	21	4946	78	10	3992	65	23	2261	39	11	4976	102	25	4466	95	34
1902	41000	1421	604	189																														10493	131	39	5304	64	21	4192	80	31	5016	73	13	4102	74	20	2351	50	8	5026	92	26	4516	97	31
Average of Years, 1893 to 1902.	36350.1	1310.1	704.9	242.4																																																					
1903	42000	1428	830	187	10703		204	73	5384		110	34	4272		96	34	5046		89	31	4302		102	25	2501		43	11	5126		87	29	4666		99	36																					

- NOTES.—(a) The separate localities adopted for this table should be areas of which the populations are obtainable from the census returns, such as wards, parishes or groups of parishes, or registration sub-districts. Block 1 may, if desired, be used for the whole district; and blocks 2, 3, &c., for the several localities. In small districts without recognised divisions of known population this Table need not be filled up.
- (b) Deaths of residents occurring in public institutions beyond the district are to be included in sub-columns *c* of this table, and those of non-residents registered in public institutions in the district excluded. (See note on Table I. as to meaning of terms "resident" and "non-resident.")
- (c) Deaths of residents occurring in public institutions, whether within or without the district, are to be allotted to the respective localities according to the addresses of the deceased.
- (d) Care should be taken that the gross totals of the several columns in this Table respectively equal the corresponding totals for the whole districts in Tables I. and IV.: thus, the totals of sub-columns *a*, *b* and *c* should agree with the figures for the year in the columns 2, 3, and 12 respectively, of Table I.: the gross total of the sub-columns *c* should agree with the total of column 2 in Table IV., and the gross total of sub-columns *d* with the total of column 3 in Table IV.

TABLE III.

CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR 1903.

Name of District : Leigh Urban.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.						TOTAL CASES NOTIFIED IN EACH LOCALITY.—WARD.								NUMBER OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.—WARD.								
	At all Ages.	At ages + Years					St. Mary's.	St. Paul's.	St. Peter's.	Lifford.	Etherstone.	Hope Carr.	St. Thomas's.	St. Joseph's.	St. Mary's.	St. Paul's.	St. Peter's.	Lifford.	Etherstone.	Hope Carr.	St. Thomas's.	St. Joseph's.	
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.																	65 and upwards.
Small-pox	5	...	...	2	3	...	1	...	1	2	...	...	1	...	1	...	1	2	...	...	...	1	...
Cholera .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria	6	...	3	3	...	...	1	3	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Membranous Croup	3	...	...	3	...	...	1	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas	25	...	...	1	4	19	8	3	3	2	4	...	2	3	...	...	...	...	...	...	...	...	...
Scarlet Fever	414	315	0233	25	3	...	64	69	101	42	96	5	12	25	35	33	27	24	45	3	6	17	...
Typhus Fever .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever	46	...	3	11	20	12	8	6	11	3	3	8	2	5	5	6	4	1	1	5	2	2	...
Relapsing Fever .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Continued Fever	2	...	...	1	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever	4	...	...	...	...	4	...	1	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Plague .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*Phthisis	11	...	...	...	11	...	7	1	...	1	2	...	...	...	...	...	...	...	...	...	...	...	...
Totals.....	516	315	625	252	52	52	1	92	83	119	51	107	13	18	33	41	39	32	27	46	8	9	19

NOTES.—The localities adopted for this Table should be the same as those in Tables II. and IV.

State in space below the name of the isolation hospital, if any, to which the residents in the district suffering from infectious disease are usually sent. Mark (H) the locality in which it is situated, or if not within the district, state where it is situated, and in what district. Mark (W) the locality in which a Workhouse is situated.

* This space may be used for the record of other disease the notification (compulsory or voluntary) of which is in force in the district.

† These age columns for notifications should be filled up in all cases where the Medical Officer of Health, by inquiry or otherwise, has obtained the necessary information.

Isolation Hospital : Sanatorium, Astley, near Manchester.

TABLE IV.
CAUSES OF, AND AGES AT DEATH DURING THE YEAR 1903.
Name of District : Leigh Urban.

CAUSES OF DEATH. 1	DEATHS IN OR BELONGING TO WHOLE DISTRICT AT SUBJOINED AGES.							DEATHS IN OR BELONGING TO LOCALITIES (AT ALL AGES). WARDS.								Total Deaths in Public Institutions in the District. 17
	All Ages. 2	Under 1. 3	1 and under 5. 4	5 and under 15. 5	15 and under 25. 6	25 and under 65. 7	65 and upwards. 8	St. Mary's. 9	St. Paul's. 10	St. Peter's. 11	Lilford. 12	Ether- stone. 13	Hope Carr. 14	St. Thomas's 15	St. Joseph's. 16	
Small Pox	None.
Measles	107	22	79	6	...	...	...	25	19	16	10	16	7	7	7
Scarlet Fever... ..	17	...	11	6	...	...	...	2	2	5	...	6	...	...	2
Whooping Cough .. .	33	17	15	1	...	...	...	12	3	5	3	4	2	2	2
Diphtheria and Membranous Croup	4	...	4	...	...	...	...	3	...	...	1	...	...	...	...
Croup	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Fever : Typhus .. .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric .. .	12	...	2	2	4	4	...	1	3	4	2	1	...	...	1
Other continued .. .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Epidemic Influenza .. .	4	...	...	1	...	1	2	1	...	1	...	1	...	1	...
Cholera .. .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plague .. .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhœa (see notes at back) .. .	30	27	3	...	...	...	...	14	2	3	3	2	...	1	5
Enteritis (see notes at back) .. .	12	9	3	...	...	...	...	4	3	...	1	...	...	1	3
Puerperal Fever (see notes at back)	3	...	...	...	...	3	...	...	...	...	...	...	...	...	...
Erysipelas .. .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Septic Diseases .. .	7	3	...	1	1	2	...	1	1	...	...	1	1	1	2
Phthisis (see notes at back) .. .	40	...	...	1	5	34	...	16	2	3	7	1	3	3	5
Other Tubercular Diseases .. .	22	6	9	6	1	...	...	5	1	4	5	3	...	1	3
Cancer, Malignant Disease (see notes back)	21	...	...	1	1	16	3	9	2	2	2	1	1	1	3
Bronchitis .. .	98	48	17	...	2	14	17	14	11	16	11	13	2	17	14	
Pneumonia .. .	91	23	31	11	3	19	4	25	15	8	9	10	5	10	9	
Pleurisy .. .	1	...	...	...	1	...	...	...	1	...	...	...	...	...	...
Other Diseases of Respiratory Organs	1	...	...	1	...	...	...	...	...	...	...	...	...	...	1
Alcoholism, Cirrhosis of Liver .. .	6	...	...	...	...	4	2	...	...	...	2	2	1	...	1
Venereal Diseases .. .	5	2	2	...	...	1	...	1	...	2	...	2	...	...	...
Premature Birth .. .	30	30	...	...	...	...	...	8	3	4	2	3	2	5	3
Diseases and Accidents of Parturition	2	...	...	...	1	1	...	...	...	1	...	1	...	...	...
Heart Diseases .. .	41	1	1	...	4	27	8	9	5	5	4	5	2	6	5	
Accidents .. .	33	2	2	1	4	23	1	5	4	3	2	9	1	8	1	
Suicides .. .	5	...	...	...	...	5	...	...	1	...	...	...	2	1	1
All other Causes .. .	204	83	19	1	10	41	50	49	32	14	25	18	14	22	30	
All Causes .. .	830	273	199	39	37	195	87	204	110	96	89	102	43	87	99	

NOTES.—(a) In this Table all deaths of "Residents" occurring in public institutions, whether within or without the district, are to be included with the other deaths in the columns for the several groups (columns 2-8). They are also, in columns 9-15, to be included among the deaths in their respective "Localities" according to the previous addresses of the deceased as given by the Registrars. Deaths of "Non-residents" occurring in public institutions in the district are in like manner to be excluded from columns 2-8 and 9-15 of this Table.

(b) See notes on Table I. as to the meaning of "Residents" and "Non-residents," and as to the "Public Institutions" to be taken into account for the purposes of these Tables. The "Localities" should be the same as those in Tables II. and III.

(c) All deaths occurring in public institutions situated within the district, whether of "Residents" or "Non-residents," are, in addition to being dealt with as in note (a), to be entered in the last column of this Table. The total number in this column should equal the figures for the year in column 9, Table I.

(d) The total deaths in the several "Localities" in columns 9-15 of this Table should equal those for the year in the same localities in Table II., sub-column c. The total deaths at all ages in column 2 of this Table should equal the gross total of columns 9-15, and the figures for the year in column 12 of Table I.

(e) Under the head of "Diarrhoea" are to be included deaths certified as from diarrhoea, alone or in combination with some other cause of ill-defined nature; and also deaths certified as from

Epidemic enteritis;
Zymotic enteritis;
Epidemic diarrhoea. Summer diarrhoea;
Dysentery and dysenteric diarrhoea;
Choleraic diarrhoea, cholera, cholera nostras
(in the absence of Asiatic cholera).

Under the heading of "Enteritis" are to be included those certified as from Gastro-enteritis, Muco-enteritis, and Gastric catarrh, unless from information obtained by inquiry from the certifying practitioner or otherwise, the Medical Officer of Health should have reason for including such deaths, especially those of infants, under the specific term "Diarrhoea." Under the headings of "Cancer," "Phthisis," and "Puerperal fever" should be included all registered deaths from causes comprised within these general terms.

Deaths from diarrhoea secondary to some other well-defined disease should be included under the latter.

In recording the facts under the various headings of Tables I., II., III. and IV., attention has been given to the notes on the Tables.

JAMES KING,
February 22nd, 1904. Medical Officer of Health.